

# OPERATOR'S MANUAL

# DieHard®

## Portable Power 750

### Jump Starter and DC Power Source

Model No.  
200.71486



### CAUTION:

Read all Safety Rules and Operating Instructions,  
and follow them with each use of this product.

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Sears, Roebuck and Co., Hoffman Estates, IL 60179 U.S.A.

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00-99-000863/0808

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### **DIEHARD ONE-YEAR FULL WARRANTY**

When operated and maintained according to all supplied instructions, if this DieHard product fails due to a defect in material or workmanship within one year from the date of purchase, return it to any Sears store or other DieHard outlet in the United States for free replacement.

This warranty does not include light bulb, which is an expendable part. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Sears, Roebuck and Co., Hoffman Estates, IL 60179

**FOR CUSTOMER ASSISTANCE OR REPLACEMENT PARTS,  
CALL TOLL-FREE BETWEEN 7 AM TO 4:30 PM CT  
MONDAY THROUGH FRIDAY: 1-800-SEARS-64 (1-800-732-7764)**



**CONTAINS SEALED NON-SPILLABLE LEAD-ACID BATTERY. MUST BE DISPOSED OF PROPERLY.**

**WARNING: Possible explosion hazard. Contact with battery acid may cause severe burns and blindness. Keep out of reach of children.**

# IMPORTANT: CHARGE IMMEDIATELY AFTER PURCHASE

## IMPORTANT: READ AND SAVE THIS SAFETY AND INSTRUCTION MANUAL.

### 1. IMPORTANT SAFETY INSTRUCTIONS

- 1.1 Charge the 750 internal battery immediately upon purchase, every 30 days and after every use.
- 1.2 Use in a well ventilated space.
- 1.3 Contains a sealed, non-spillable lead-acid battery. Must be disposed of properly.
- 1.4 **WARNING:** Possible explosion hazard. Contact with battery acid may cause severe burns and blindness. Keep out of reach of children.
- 1.5 **WARNING:** Pursuant to California Proposition 65, this product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
- 1.6 **WARNING:** Failure to follow instructions may cause damage or an explosion. Read entire instruction manual before use. Always wear safety glasses to protect your eyes during use.

### 2. DIEHARD PORTABLE POWER 750 JUMP-STARTER/DC POWER SOURCE PRODUCT FEATURES



1. Jump-start ON/OFF switch. This switch supplies power to the clamps for jump-starting.
2. Light/Display switch. This switch turns on the light or the internal battery status display.
3. Internal Battery Status Display (LEDs)
4. Plastic lens cover
5. Light bulb
6. 12V DC power outlet (Not shown)
7. Side charger plug (not shown)
8. Clamps

### 3. CHARGING THE INTERNAL BATTERY

#### IMPORTANT:

- **CHARGE IMMEDIATELY AFTER PURCHASE**
- **KEEP FULLY CHARGED.**

This Portable Power 750 comes with a sealed, non-spillable DieHard maintenance-free lead-acid battery. This internal battery is specifically designed to deliver high power jump-starting as well as repetitive deep cycling performance.

To charge the Portable Power 750 internal battery:

- 3.1 Check the internal battery's charge level by pressing the switch marked DISPLAY. The internal battery status LEDs will light.

**NOTE:** Internal battery status LEDs are most accurate when the Portable Power 750 has been disconnected from all devices and charging sources for 1 - 24 hours.

- 3.2 Using a proper extension cord, connect the cord to the charge plug and then plug the cord into a properly wired and live 110Vac/60Hz wall outlet.

**CAUTION:** Operating the Portable Power 750 while the internal battery is being charged may cause permanent damage to the unit.

- 3.3 While the Portable Power 750 is charging, the red "CHARGING" LED will illuminate. When the internal battery is fully charged, the green "FULL" LED will illuminate. Complete charging may take up to 72 hours. The Portable Power 750 is then ready to use.
- 3.4 Once the battery is fully charged, the built-in charger automatically switches to float-mode monitoring, which trickle charges the battery and keeps it fully charged without overcharging.

The internal battery may also be charged while you drive using the male-to-male accessory cable (available separately, see "Accessories and Replacement Parts" section of this manual). Insert one end of the accessory cable into the 12V DC power outlet and the other end into the vehicle's accessory outlet (lighter socket). Completely disconnect the accessory cable when the engine is not running.

### 4. JUMP-STARTING A VEHICLE ENGINE

Use in a well-ventilated area. Keep hands, hair, clothing and jewelry clear of fan blades, belts, pulleys and other parts that may cause injury.

- 4.1 Turn ignition off before making cable connections.
- 4.2 Make sure the jump-start ON/OFF switch is in the OFF position.
- 4.3 Place the 750 on a flat, stable surface near the vehicle battery and away from moving engine parts.

- 4.4 Connect the red clamp to the positive (+) terminal of the vehicle battery.
- 4.5 Connect the black clamp to an unpainted and unmoving part of the vehicle chassis or engine block. Do not connect to the carburetor, fuel lines or sheet-metal body parts.

**CAUTION:** If you have connected the clamps backwards, an audio alarm will sound. DO NOT turn the ON/OFF switch to the ON position. This could cause serious damage. Reverse the connections and the audio alarm will stop.

- 4.6 Turn the JUMP START ON/OFF switch to the ON position.
- 4.7 Turn the key and crank the engine. If the engine does not start within 5-8 seconds, stop cranking and wait at least 1 minute before attempting to start vehicle again. This permits the battery to cool down.
- 4.8 After the engine starts, turn the JUMP START ON/OFF switch to OFF.
- 4.9 Disconnect the black clamp first and then the red clamp. Store the clamps on the ears located on the back of the case.
- 4.10 Charge the 750 as soon as possible after jump-starting.

**CAUTION:** To prevent sparking while the 750 jump-start switch is in the ON position, NEVER allow the clamps to touch together or to contact the same piece of metal. And, never attempt to charge a frozen battery.

**NOTE:** In the rare case of jump-starting a vehicle that has a positive-grounded vehicle electrical system, connect the black clamp to the negative terminal of the vehicle battery. Then connect the red clamp to an unpainted and unmoving part of the vehicle chassis or engine block. If you are unsure of the nature of the vehicle's electrical grounding system, check the owner's manual of the vehicle or call the Customer Technical Assistance number: 1-800-SEARS-64.

## 5. POWERING A 12V DC DEVICE

The Portable Power 750 is a power source for all 12 volt DC accessories that are equipped with a 12V accessory plug. The DC accessory outlet has a 15-amp automatic overload protection circuit breaker. The breaker will automatically reset after an overload occurs.

To operate a 12V DC device:

- 5.1 Open the protective cover of the DC power outlet on the right side of the Portable Power 750.
- 5.2 Plug the 12V DC device into the DC power outlet, and turn on the 12V DC device (if required).
- 5.3 If the 12V DC device draws more than 15A, the internal circuit breaker of the Portable Power 750 will momentarily disconnect power to the device. If this occurs, unplug the device and the circuit breaker will automatically reset after several seconds.

- 5.4 Charge the Portable Power 750 as soon as possible after each use.

Because the DC power outlet is internally wired directly to the internal battery, extended operation of a 12V DC device may result in excessive battery drain.

## 6. 12V DC ELECTRICAL DEVICE EXAMPLE RUN-TIME CHART

Appliance Type	Estimated Power	Estimated Time*
Fluorescent Lights, Cellular Phones	4 Watts	20 Hours
Radios, Depth Finders, Fans	9 Watts	14 Hours
Camcorders, DVD Players, Spotlights	15 Watts	8 Hours
Electrical Tools, Bilge Pumps	24 Watts	5 Hours
Electric Coolers	48 Watts	2 Hours
Air Compressors, Car Vacuums	80 Watts	1 Hour

**\*NOTE:** Estimated run-times. Actual time may vary. Times are based on the internal battery being new, fully charged and operated at room temperature.

## 7. USING THE BUILT-IN LIGHT

- 7.1 Position the 750 on a flat, stable surface near the intended work area.

- 7.2 Turn the Light/Display switch to the LIGHT position. The light will turn on and illuminate your work area.

**NOTE:** With a fully charged internal battery, the built-in light should provide 18 to 30 hours of continuous useful light, depending on ambient conditions.

- 7.3 Turn the Light/Display switch to the OFF position when work is completed.
- 7.4 Charge the 750 as soon as possible after using the built-in light.

## 8. LED INDICATORS

To check the internal battery status, press the switch on the front of the 750 to the DISPLAY position.

The LED lights will indicate as follows:

- 8.1 A red light indicates a 50% or less charge and you should immediately charge the 750.
- 8.2 A yellow light indicates a 50 to 75% charge. The 750 may be used, but should be charged as soon as possible.
- 8.3 A green light indicates a 75% to 100% charge.

## 9. STORAGE AND MAINTENANCE

### **IMPORTANT:**

- **CHARGE IMMEDIATELY AFTER PURCHASE**
- **KEEP FULLY CHARGED.**

Charge the 750 internal battery immediately upon purchase, every 30 days and after every use.

All batteries are affected by temperature. The ideal storage temperature is between 40 and 70 degrees Fahrenheit. The internal battery will gradually self-discharge (lose power) over time more quickly in warm environments. Leaving the battery in a discharged state may result in permanent battery damage. To ensure satisfactory performance and avoid permanent damage, charge the internal battery every month.

When the JUMP START ON/OFF switch is ON, the clamps are live and will produce arcing or sparking if they come in contact with each other. To prevent accidental arcing, always keep the clamps on the storage holders and the JUMP START ON/OFF switch in the OFF position when not using it to jump start a vehicle.

### 9.1 Replacing the built-in light

To replace the built-in light bulb:

1. Turn the light off.
2. Insert a standard (flat-blade) screwdriver into one of the two slots along the bottom of the plastic lens and GENTLY pop the lens out. Repeat for the other side.
3. Gently grasp the bulb and twist counter-clockwise one quarter-turn to unscrew the bulb.
4. Insert a replacement bulb of the same type and rating, and twist clockwise one quarter-turn to screw in the new bulb.
5. Replace the lens cover.
6. Test the light by switching the light on and off.

## 9.2 Customer Technical Assistance

Customer technical assistance is available Monday-Friday, 7 am to 4:30 pm Central Time by phoning 1-800-SEARS-64.

### 10. SPECIFICATIONS

Internal Battery Type	DieHard Maintenance-free AGM Lead-acid
Nominal Voltage	12v DC
Capacity	12 Ah
DC Power Outlet (Max. Continuous Load)	15A With Automatic Circuit Breaker Reset
Built-in Light Bulb (Replaceable)	5w/12v DC (Base type BA9S)
Jumper Cables	8-gauge AWG, 18 Inches
Dimensions (H x W x D)	9.5 H x 10 x 8 Inches
Product Weight	12.2 Lbs.

### 11. ACCESSORIES AND REPLACEMENT PARTS

Parts and customer technical assistance is available Monday-Friday, 7 am to 4:30 pm Central Time at 1-800-SEARS-64.

**Male-to-Male Accessory Cable:** 38-99-000834 (Use for charging Portable Power 750 from a vehicle's 12V accessory outlet.)

**Replacement Light Bulb:** 00-00-000722

**Lens Cover:** 37-99-00399-0